

WHAT IS CLAIMED IS:

SUB A1> 1 A method of exporting data from an engine condition monitoring program database to a destination database, said method comprising:
extracting data from said program database;
exporting said extracted data to said destination database; and
5 after a successful export, updating an external time file with the date and time of said successful export.

SUB B2> 2 The method of claim 1 wherein said step of extracting data from said program database comprises extracting only data that is new or changed since the previous successful export.

10 3 The method of claim 1 wherein said step of extracting data from said program database comprises extracting data from the group comprising engine configuration data, aircraft configuration data, engine input data, engine raw output data, engine smoothed output data, aircraft input data, aircraft raw output data, aircraft smoothed output data, alert data, initialization data and compressed data.

15 4 The method of claim 1 further comprising mapping tables and columns in said program database to tables and columns in said destination database.

SUB A2> 5 In a computer system running an engine condition monitoring program having a program database comprising a number of data tables, a method of exporting data from said program database to a destination database, said method comprising:
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reading an external time file to determine the last date and time that data was successfully exported to said destination database;

searching said program database for data that is new or changed since said last successful export;

25 retrieving data found in searching said program database;
exporting said retrieved data to said destination database; and

after a successful export, updating said external time file with the date and time of said successful export.

5 6. The method of claim 5 wherein said step of retrieving data from said program database comprises retrieving data from the group comprising engine configuration data, aircraft configuration data, engine input data, engine raw output data, engine smoothed output data, aircraft input data, aircraft raw output data, aircraft smoothed output data, alert data, initialization data and compressed data.

7. The method of claim 5 further comprising mapping tables and columns in said program database to tables and columns in said destination database.

10 SUB 847 8. The method of claim 5 wherein said program database includes a flight data table, and a number of engine data tables and aircraft data tables and said step of searching said program database comprises searching said flight data table for flight data that is new or modified since said last successful export.

15 9. The method of claim 8 wherein said step of retrieving data comprises retrieving data from said engine data tables and said flight data tables for each flight data record found in said flight data table.

10. The method of claim 9 further comprising providing each of said engine data tables and said aircraft engine tables with an indication that data retrieval is completed after said flight data is retrieved from each table.

20 11. The method of claim 5 wherein said program database includes a process indicator table, and a number of engine data tables and aircraft data tables and said step of searching said program database comprises searching said process indicator table for reprocessed flight data that is changed since said last successful export.

12. The method of claim 11 wherein said step of retrieving data comprises retrieving data from said engine data tables and said aircraft data tables for each reprocessed flight data record found in said process indicator table.

5 13. The method of claim 12 further comprising providing each of said engine data tables and said aircraft engine tables with an indication that data retrieval is completed after said reprocessed flight data is retrieved from each table.

10 14. The method of claim 5 wherein said program database includes an initialization data table, and said step of searching said program database comprises searching said initialization data table for initialization data that is changed since said last successful export.

15. The method of claim 14 wherein said step of retrieving data comprises retrieving initialization data found in said initialization data table.

15 16. The method of claim 15 further comprising providing said initialization data table with an indication that data retrieval is completed after said initialization data is retrieved from said initialization table.

17. The method of claim 5 wherein said program database includes a compression data table, and said step of searching said program database comprises searching said compression data table for compression data that is changed since said last successful export.

20 18. The method of claim 17 wherein said step of retrieving data comprises retrieving compression data found in said compression data table.

19. The method of claim 18 further comprising providing said compression data table with an indication that data retrieval is completed after said compression data is retrieved from said compression table.

25 20. A computer system comprising:
an engine condition monitoring program having a program database;

means for exporting said extracted data to said destination database;

and

means for updating said external time file with the date and time of a

program database to tables and columns in said destination database.

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